

California Regional Water Quality Control Board  
Santa Ana Region

STAFF REPORT

July 12, 1996

ITEM: 11

SUBJECT: Waste Discharge Requirements for Elsinore Valley Municipal Water District, Railroad Canyon Wastewater Reclamation Facility, Riverside County, Order No. 96-34

DISCUSSION:

The Elsinore Valley Municipal Water District (EVMWD) operates the Railroad Canyon Wastewater Reclamation Facility (Railroad Canyon Plant), located off Railroad Canyon Road between Interstate 15 and Canyon Lake. The design capacity of the facility is 1.3 MGD. The facility produces approximately 0.93 million gallons per day (MGD) of reclaimed water, which is used for the irrigation of Canyon Lake Golf Course and for construction-related uses, such as dust control and soil compaction in the surrounding area. Treated effluent is also discharged to evaporation-percolation ponds located at the treatment plant. During wet weather, excess reclaimed water is piped to the District's Regional Plant for further treatment and discharge to Temescal Creek. The Regional Plant is currently regulated under Order No. 94-36, NPDES No. CA 8000027. The Railroad Canyon Plant is regulated under Order No. 84-82

Since the adoption of Order No. 84-82, the facility has been modified and tertiary treatment processes have been added. Changes in the Water Quality Control Plan (Basin Plan) for the Region have also been made, including the adoption in 1991 of a waste load allocation for total inorganic nitrogen<sup>1</sup> (TIN) discharges in the upper Santa Ana Basin. The TIN waste load allocation is included in the revised Basin Plan which became effective on January 24, 1995. Order No. 84-82 is being updated to reflect the changes in the treatment plant and to reflect the changes in the Basin Plan, including the TIN waste load allocation adopted by the Regional Board.

The Railroad Canyon plant and reclaimed water use area overlie the Elsinore Groundwater Subbasin, the beneficial uses of which include municipal and domestic supply, agricultural supply, and industrial process supply.

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<sup>1</sup> Total Inorganic Nitrogen (TIN) is the sum of the nitrate-N, nitrite-N and ammonia-N in a filtered sample of water.

The proposed limits in this order are based on the Water Quality Control Plan for the Santa Ana Basin and other applicable state and federal regulations and are necessary to protect the beneficial uses of the affected receiving waters.

Based on past effluent analyses, EVMWD may have difficulty meeting the proposed effluent limits for total dissolved solids (TDS) because of water supply quality problems. This order specifies that the Regional Board will not initiate enforcement of TDS violations provided that EVMWD takes all reasonable steps to improve water supply quality and implements an acceptable program to offset TDS discharges in excess of permit limits. EVMWD is a participant in the watershed-wide TDS/TIN study. This order provides that participation in the TIN/TDS study will constitute an acceptable offset program for the expected duration of the study (three years).

EVMWD currently cannot comply with the new TIN limit specified in this permit. The Railroad Canyon treatment plant was not designed to remove nitrogen in the effluent to that level. This order provides a time schedule for compliance with the TIN limit which is based on EVMWD's participation in the TIN/TDS study. (Note: a TIN compliance schedule can be included in this order since the order is not a National Pollutant Discharge Elimination System (NPDES) permit issued pursuant to federal law and regulations. In the case of NPDES permits, a TIN compliance schedule can be provided only by an enforcement order (cease and desist order)).

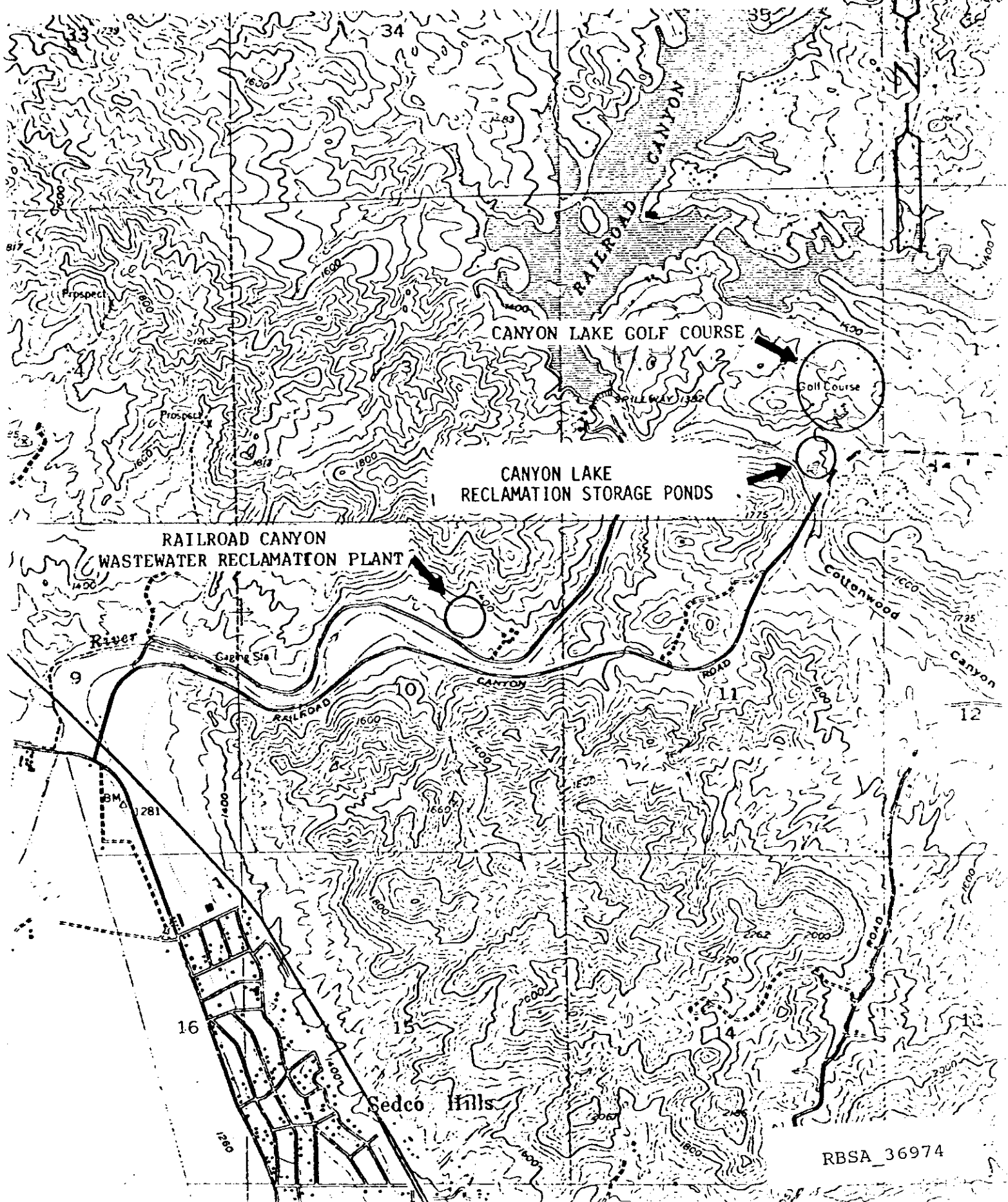
**RECOMMENDATION:**

Adopt Order No. 96-34, as presented.

Comments were solicited from the following agencies:

State Water Resources Control Board, Office of the Chief Counsel - Ted Cobb  
State Water Resources Control Board, Division of Water Quality - John Youngerman  
State Department of Water Resources - Glendale  
State Department of Health Services - San Diego  
Riverside County Environmental Health Services - John Fanning  
Riverside County Flood Control and Water Conservation District - Jason Christie  
South Coast Air Quality Management District - James Lents  
Eastern Municipal Water District - John Brudin  
James M. Montgomery Engineers - Joseph A. Wojslaw

# LOCATION MAP



California Regional Water Quality Control Board  
Santa Ana Region

ORDER NO. 96-34

Waste Discharge and Producer/User Reclamation Requirements  
for  
Elsinore Valley Municipal Water District  
Railroad Canyon Wastewater Reclamation Facility  
Riverside County

The California Regional Water Quality Control Board, Santa Ana Region (hereinafter the Board), finds that:

1. The Elsinore Valley Municipal Water District (hereinafter discharger) operates the Railroad Canyon Wastewater Reclamation Facility (Railroad Canyon Plant). The Railroad Canyon Plant is located off Railroad Canyon Road between Interstate 15 and Canyon Lake. The sewage collection and conveyance systems (including sewer lines and lift stations) service the community surrounding Canyon Lake, in Riverside County. The treatment plant provides reclaimed water for the irrigation of the Canyon Lake Golf Course and for construction-related uses, such as dust control and soil compaction in the surrounding area. Treated effluent is also discharged to evaporation-percolation ponds located at the treatment plant. Discharges from the Railroad Canyon Plant are currently regulated by waste discharge requirements Order No. 84-82, adopted by the Board on July 13, 1984.
2. It is necessary to revise waste discharge requirements for the Railroad Canyon Plant to reflect the changes in the operations at the facility, as well as changes in plans, policies and regulations adopted by the State and Regional Board since Order No. 84-82 was adopted.
3. The reclamation and disposal areas are located in portions of Sections 1, 2, 10 and 12, T6S, R4W, SBB&M, in the Canyon Lake area of Riverside County.
4. The design capacity of the facility is 1.3 million gallons per day (MGD). The average daily discharge flow from the facility is currently 0.93 MGD. The wastewater treatment facilities include a influent pump station, screening, primary aeration basins, secondary clarifiers, return activated sludge (RAS)/wasted activated sludge (WAS) pump station, aeration blowers, flocculation basin, tertiary filters, chlorine contact tank, effluent storage ponds, effluent pump station, emergency standby generator and miscellaneous ancillary facilities.

5. Excess flows of treated wastewater and raw sewage are diverted from the Railroad Canyon Plant to the discharger's Regional Plant for treatment and disposal. All sludge is pumped to the discharger's Regional Wastewater Treatment Plant for processing. The Regional Wastewater Treatment Plant is currently regulated under Order No. 94-36, NPDES No. CA 8000027.
6. Reclaimed water from the Railroad Canyon Plant is currently used for irrigation of the Canyon Lake Golf Course. The reclamation use area is located within the SE¼ of Section 2, T6S, R4W, SBB&M. The discharger is considering expanding its reclaimed water delivery system. Future uses of reclaimed water may include landscape irrigation of street medians, parks, playgrounds, etc.
7. A revised Water Quality Control Plan (Basin Plan) became effective on January 24, 1995. The plan contains beneficial uses and water quality objectives for waters in the Santa Ana Region.
8. The wastewater treatment/reclamation plant and reclaimed water use area overlie the Elsinore Groundwater Subbasin, the beneficial uses of which include:
  - a. Municipal and domestic supply,
  - b. Agricultural supply, and
  - c. Industrial process supply.
9. The requirements in this order are necessary to implement the Water Quality Control Plan.
10. It is necessary and appropriate to require control of individual mineral constituents in order to meet water quality objectives and protect beneficial uses.
11. In conformance with the nitrogen wasteload allocation specified in the 1995 Basin Plan, this order specifies a limit of 10 mg/l total inorganic nitrogen (TIN) for the discharge. The order also specifies a 700 mg/l total dissolved solids (TDS) limit which is based on the water quality objective for the Elsinore Groundwater Subbasin.
12. Water supplied to the service area is a combination of State Project Water and Colorado River. Reduced deliveries of low TDS water from the State Water Project, has resulted in the deterioration of the TDS quality of the water supplied in the service area such that the discharger cannot consistently comply with the TDS limits in this order.
13. The discharger currently cannot comply with the TIN limit specified in this order. The Railroad Canyon Plant was not designed to denitrify the effluent. Modification of the existing treatment units or the installation of new units may be required before consistent compliance can be achieved. This order includes a schedule for compliance with the TIN limit, based on the discharger's participation in the TIN/TDS study.

14. The discharger proposes to offset TDS discharges in excess of the limits specified in this order by participating in the watershed wide study of TIN and TDS being coordinated by the Santa Ana Watershed Project Authority (SAWPA). Participation in the TIN/TDS study is an acceptable offset for the duration of the study, or, if the discharger elects to discontinue its involvement, for the duration of the discharger's participation in the study.
15. The project involves the continued operation of an existing facility and, as such, is exempt from the California Environmental Quality Act (Public Resources Code, Section 21100 et. seq) in accordance with Section 15301, Chapter 3, Title 14, California Code of Regulations
16. The Regional Board has notified the discharger and other interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written views and recommendations.
17. The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger, in order to meet the provisions contained in Division 7 of the California Water Code, shall comply with the following:

**A. Discharge Specifications**

- 1.a. The discharge of treated wastewater or the use of reclaimed water containing constituent concentrations in excess of the following limits is prohibited:

Constituent	Weekly Average Concentration Limit (mg/l)	Monthly Average Concentration Limit (mg/l)
Suspended Solids	45	30 mg/l
Biochemical Oxygen Demand	45	30 mg/l

- 1.b. **Mineral/Inorganic Limitations** The discharge of wastes or use of reclaimed water containing constituent concentrations in excess of the following limits is prohibited:

Constituent	12-Month Average Concentration Limit (mg/l)
Total Dissolved Solids <sup>1</sup>	700
Total Inorganic Nitrogen (TIN) <sup>2,3</sup>	10
Boron	0.75
Fluoride	1.0

- 1.c. **Water Supply based TDS Limitation** The discharge of wastes containing an average total dissolved solids concentration (12-month average) which exceeds the average total dissolved solids concentration (12-month average) in the water supply by more than 250 mg/l is prohibited.

For Discharge Specification No. 1.b. and 1.c., whichever total dissolved solids limit that results in the lower concentration shall be controlling.

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<sup>1</sup> See Sections D.11 and D.12.

<sup>2</sup> Not applicable to reclaimed water used for irrigation.

<sup>3</sup> See Sections D.13, D.14 and D.15.

- 1.d. The discharge of wastes or use of reclaimed water containing constituent concentrations in excess of the following limits is prohibited:

Constituent	Maximum Concentration Limit (mg/l)
Arsenic	0.05
Barium	1.0
Cadmium	0.01
Chromium	0.05
Cobalt	0.2
Copper	1.0
Cyanide	0.2
Iron	0.3
Lead	0.05
Manganese	0.05
Mercury	.002
Selenium	0.01
Silver	0.05

2. The pH of the discharge shall be at all times between 6.5 and 8.5 pH units.
3. The discharge of wastewater to any pond with less than one foot of freeboard is prohibited.
4. The discharge of waste to property not owned or controlled by the discharger is prohibited.
5. Compliance with the 12-month average limits specified in Discharge Specification A.1.b. and A.1.c. shall be determined from the flow-weighted running average of all samples taken during the specified period.



## **B. Water Reclamation Requirements**

1. The discharger shall be responsible for assuring that reclaimed water is delivered and utilized in conformance with this order, the reclamation criteria contained in Title 22, Division 4, Sections 60301 through 60355, California Code of Regulations, and the "Guidelines for Use of Reclaimed Water" by the California Department of Health Services.
2. The storage, delivery, or use of reclaimed water shall not individually or collectively, directly, or indirectly, result in a pollution or nuisance, or adversely affect water quality, as defined in Section 13050 of the California Water Code.
3. The bypass of untreated or partially treated wastewater from the treatment plant or any intermediate unit process necessary to achieve compliance with the criteria cited in B.2., above, to any point of use is prohibited.
4. Prior to delivering reclaimed water to any new user, or to any existing user who has made any significant change in the delivery system or who has changed the type of use, the discharger shall submit to the Regional Board, State Department of Health Services and the Riverside County Health Department the following:
  - a. a report discussing the delivery system, the intended use of the reclaimed water, the proposed volume and location use.
  - b. the plans to assure that no untreated or inadequately treated wastewater will be delivered to the use area.
5. For any future treatment plant modifications to increase reclaimed water capacity production, the discharger shall develop an engineering report conforming to Section 60323, Article 7 of the California Code of Regulations, Title 22, Division 4, Chapter 3. The engineering report shall be submitted to the State Department of Health Services, County Department of Health Services, and the Executive Officer of the Board.
6. An on-site supervisor responsible for operation of the reclaimed wastewater system shall be designated by the discharger for each user. The supervisor shall be responsible for the installation, operation and maintenance of the irrigation system, enforcing this order, prevention of potential hazards, maintenance of the distribution system plans in "as-built" form, and for the distribution of the reclaimed wastewater in accordance with this order.

The name of the on-site supervisor shall be furnished to the Regional Board and State and County Health Departments at least 30 days prior to connection for use of reclaimed water.

7. The discharger shall meet the design, operations, and reliability requirements of Article 7, 8, 9 and 10 of the California Code of Regulations, Title 22, Division 4, Chapter 3.
8. The potable water supply shall not be used to supplement the reclaimed water supply except through an approved air gap. In areas where the potable water supply is piped to premises where sewage is pumped, treated, or reclaimed (i.e., sewage treatment plants or pumping stations, golf courses, etc.) the potable water supply shall be protected at the property line in accordance with the State Department of Health Services's Regulations Relating to Cross-Connections.
9. If the discharger is supplying reclaimed water for use by other parties, the discharger shall meter the quantities of reclaimed water delivered to each end-user. The discharger shall maintain comprehensive accounting records showing, the water quality and volume of reclaimed water processed, distributed and discharged to its own facility and facilities of other parties. Copies of these records shall be maintained by the discharger.
10. The discharger shall inspect all sites proposed for the use of reclaimed water for irrigation to insure that those sites comply with all applicable rules and regulations for the application of reclaimed water.
11. The discharger shall ensure that no reclaimed water enters Canyon Lake.

**C. Reporting Requirements**

1. The discharger shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the Executive Officer or authorized representative within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

**D. Provisions**

1. The discharger shall comply with Monitoring and Reporting Program No. 96-34 as issued by the Executive Officer. Revision of this monitoring and reporting program by the Executive Officer may be necessary to confirm that the discharger is in compliance with the requirements and provisions contained in this order. Revisions may be made at any time during the term of this order, and may include a reduction or an increase in the number of parameters to be monitored, the frequency of monitoring or the number and size of samples collected.

2. Neither the treatment nor the discharge of wastes shall cause a nuisance or pollution as defined in Section 13050 of the California Water Code.
3. The discharger shall maintain a copy of this order at the site so that it is available at all times to site operating personnel.
4. The discharger shall promptly report to the Regional Board any proposed change in the character, location or method of disposal of the discharge, or any proposed change in ownership of the facility.
5. The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
6. The discharger shall insure that all facilities and systems of treatment, distribution, and control (and related appurtenances) which are installed or used to achieve compliance with conditions of this order are at all times properly operated and maintained. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup and auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this order.
7. This order may be modified, revoked and reissued, or terminated for cause including, but not limited to:
  - violation of any terms or conditions of this order;
  - obtaining this order by misrepresentation or failure to disclose fully all relevant facts; or
  - a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

The filing of a request by the discharger for the modification, revocation and reissuance, or termination of this order, or notification of planned changes or anticipated noncompliance does not stay conditions of this order.


8. The Railroad Canyon Plant shall be protected against 100-year peak stream flows as defined by the Riverside County Flood Control and Water Conservation District, and shall also be protected from overland runoff and other impacts resulting from a 100-year, 24-hour storm.

9. The discharger shall allow the Executive Officer, or any authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
  - a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, including reclaimed water treatment or discharge facilities, sludge use and disposal activities, or facilities where records must be kept under the conditions of this permit.
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit. Inspect and sample or monitor, at reasonable times, any facilities equipments (including monitoring and control equipment), practices, or operations regulated or required under this permit, including reclaimed water treatment, discharge, sludge use or disposal sites.
10. The discharger shall allow the Executive Officer, or authorized representatives, to sample or monitor influent and effluent for the purposes of determining compliance with this permit.
11. The Regional Board will not initiate enforcement action for violations of the total dissolved solids (TDS) limits specified in Discharge Specification A.1.b. provided that:
  - (i) The discharger demonstrates to the satisfaction of the Regional Board's Executive Officer that:
    - (a) the violation is due to the TDS quality of water supply sources utilized in the discharger's service area; and
    - (b) that all reasonable steps, as agreed upon by the Regional Board's Executive Officer, have been taken to insure available water supplies with the lowest concentrations of TDS quality supplies available are obtained and utilized in the dischargers service area; and
  - (ii) The discharger develops and implements, with the approval of the Regional Board's Executive Officer, a plan to mitigate the effects of the violation on the affected receiving waters.
12. The Regional Board will not initiate enforcement action for violation of the TDS limit specified in Discharge Specification A.1.b. and A.1.c., provided that:
  - (i) The discharger demonstrates to the satisfaction of the Regional Board's Executive Officer that:
    - (a) The TDS violation(s) are due solely to chemical additions in the treatment process needed to meet waste discharge requirements; and

- (b) The discharger has taken all steps to optimize chemical additions so as to minimize the TDS increases;
  - (ii) For violations of the TDS limit in Discharge Specification A.1.b., the discharger develops and implements, with the approval of the Regional Board's Executive Officer, a plan to mitigate the effects of the violation on the affected receiving waters.
- 13. The discharger shall provide full compliance with the TIN limit specified in Discharge Specification A.1.b in accordance with the following deadlines, whichever occurs first:
  - a. Within 24 months of May 31, 1999, i.e by May 31, 2001;
  - b. Within 24 months of the termination of the regional TIN/TDS study; or
  - c. Within 24 months of the discharger's withdrawal from participation in the regional TIN/TDS study.
- 14. The discharger shall submit a plan and time schedule, for approval by the Executive Officer, for completing the necessary projects to provide full compliance with the TIN limit specified in Discharge Specification A.1.b. within 30 days of the following deadlines, whichever occurs first:
  - a. May 31, 1999;
  - b. The termination of the regional TIN/TDS study; or
  - c. The discharger's withdrawal from participation in the regional TIN/TDS study.
- 15. By January 15, 1997, the discharger shall submit a report evaluating the current ability of the Railroad Canyon Plant to remove TIN, and evaluating how the existing facilities and operations could be modified to maximize TIN removal efficiency without substantially affecting treatment plant capacity. The Executive Officer may adjust the date for submittal of the report based on verifiable and unforeseen delays beyond the control of the discharger. The report shall include an evaluation of the effects of such modifications on treatment capacity, the costs of the modifications, and the corresponding TIN removal efficiency improvement. The report shall also include a time schedule for implementation of such modifications. The discharger shall implement the necessary modifications if deemed appropriate by the Executive Officer.

16. The discharger shall file with the Board by October 30, 1996, a technical report on its preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges and for minimizing the effect of such events. The technical report shall:
  - a. Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment outage, and failure of process equipment, tanks, and pipes should be considered.
  - b. Evaluate the effectiveness of present facilities and procedures and state when they become operational. Describe facilities and procedures needed for effective preventive and contingency plans.
  - c. Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational.
17. The discharger shall file with the Board a report of any material change or proposed change in character, location, method of disposal or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in boundaries, contours, or ownership of the disposal area.
18. Order No. 84-82 is hereby rescinded.

I, Gerard J. Thibeault, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Santa Ana Region, on July 12, 1996.

  
for Gerard J. Thibeault  
Executive Officer

California Regional Water Quality Control Board  
Santa Ana Region

**Revised Monitoring and Reporting Program No. 96-34**

for

Elsinore Valley Municipal Water District  
Railroad Canyon Wastewater Reclamation Facility  
Riverside County

**A. Effluent Monitoring**

1. A sampling station shall be established for each point of discharge and shall be located where representative samples of the discharge can be obtained.
2. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Sample
Flow	MGD	Continuous	Continuous
Coliform (reclaimed water only)	MPN/100 ml	Grab <sup>1</sup>	Daily <sup>2</sup>
Biochemical Oxygen Demand	mg/l	Composite	Weekly
Suspended Solids	mg/l	Composite	Weekly
Specific Conductance	µmhos/cm	Composite	Monthly
Total Dissolved Solids	mg/l	Composite	Monthly
Total Inorganic Nitrogen	mg/l	Composite	Monthly
Total Hardness	mg/l	Composite	Monthly
Chloride	mg/l	Composite	Monthly
Sodium	mg/l	Composite	Monthly
Sulfate	mg/l	Composite	Monthly
Fluoride	mg/l	Composite	Monthly
Boron	mg/l	Composite	Monthly
pH	pH Units	Grab	Monthly
Arsenic	mg/l	Composite	Annually
Barium	mg/l	Composite	Annually
Cadmium	mg/l	Composite	Annually

<sup>1</sup> Samples shall be collected during peak flows.

<sup>2</sup> Whenever reclaimed water is being supplied to any user.

Constituent	Units	Type of Sample	Minimum Frequency of Sample
Chromium	mg/l	Composite	Annually
Cobalt	mg/l	Composite	Annually
Cyanide	mg/l	Grab	Annually
Iron	mg/l	Composite	Annually
Lead	mg/l	Composite	Annually
Manganese	mg/l	Composite	Annually
Mercury	mg/l	Composite	Annually
Selenium	mg/l	Composite	Annually
Silver	mg/l	Composite	Annually
EPA Priority Pollutants (See Attached List)	µg/l	Grab	Annually

## B. Water Supply Monitoring

1. In August of each year, a sample of each source of the water supplied to the sewered area shall be obtained and analyzed for the following constituents:

Total Dissolved Solids	Specific Conductance	Total Hardness
Sulfate	Magnesium	Nitrate
Boron	Sodium	Carbonate
Fluoride	Chloride	Bicarbonate
Calcium	pH	

2. All of the above constituents shall be expressed in "mg/l" except specific conductance and pH, which shall be expressed in "micromhos/cm" and pH units", respectively.
3. Monthly reports shall be submitted stating the amount (in percentage or acre-feet) supplied to the service area from each source of water and the resulting flow-weighted water supply quality for total dissolved solids.

## C. Reclamation Monitoring and Reporting

The average daily flow of reclaimed water delivered to each user shall be recorded and reported on a monthly basis.



#### D. Reporting

1. Monitoring reports shall be submitted by the dates in the following schedule:

REPORT	REPORTING FREQUENCY	REPORT DUE DATE
Daily and Weekly Effluent Analysis	Monthly	By the 30th day of the month following the monitoring period
Monthly Effluent Analysis	Monthly	"
Water Supply Quality	Monthly	"
Effluent Priority Pollutants Analysis	Annually	"
Annual Water Supply Parameters	Annually	"

2. The discharger shall tabulate the monitoring data to clearly illustrate compliance and/or noncompliance with the permit requirements.
3. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.
4. The annual report for water supply parameters shall include a roster of plant personnel, including job titles, duties, and level of state certification for each individual.
5. Discharge monitoring data shall be submitted in a format acceptable to the Board and EPA. Specific reporting format may include preprinted forms and/or electronic media. Unless otherwise specified, discharge flows shall be reported in terms of daily average and monthly average discharge flows. The results of all monitoring required by this order shall be reported to the Board, and shall be submitted in such a format as to allow direct comparison with the limitations and requirements of this order.
6. All reports shall be signed by a responsible officer or duly authorized representative of the discharger and shall be submitted under penalty of perjury.

Ordered by



Gerard J. Thibeault  
Executive Officer

September 24, 1996

# EPA PRIORITY POLLUTANT LIST

Metals	Method	Base/Neutral Extractibles	Method	Acid Extractibles	Method
Antimony	ICP	Acenaphthene	625	2-Chlorophenol	625
Arsenic	GF/AA	Acenaphthylene	"	2,4-Dichlorophenol	"
Beryllium	ICP	Anthracene	"	2,4-Dimethylphenol	"
Cadmium	ICP	Benzidine	"	4,6-Dinitro-O-Cresol	"
Chromium	ICP	Benzo (a) Anthracene	"	2,4-Dinitrophenol	"
Copper	GF/AA	Benzo (a) Pyrene	"	2-Nitrophenol	"
Lead	GF/AA	Benzo (b) Fluoranthene	"	4-Nitrophenol	"
Mercury	CV/AA	Benzo (g,h,i) Perylene	"	P-Chloro-M-Cresol	"
Nickel	ICP	Benzo (k) Fluoranthene	"	Pentachlorophenol	"
Selenium	GF/HYDRIDE	Bis (2-Chloroethoxy) Methane	"	Phenol	"
Silver	ICP	Bis (2-Chloroethyl) Ether	"	2, 4, 6 - Trichlorophenol	"
Thallium	ICP	Bis (2-Chloroisopropyl) Ether	"		
Zinc	ICP	Bis (Chloromethyl) Ether	"		
		Bis (2-Ethylhexyl) Phthalate	"		
Miscellaneous	Method	4-Bromophenyl Phenyl Ether	"	Volatile Organics	Method
Cyanide	335.2/335.3	Butyl Benzyl Phthalate	"	Acrolein	603
Asbestos (not required unless requested)		2-Chloronaphthalene	"	Acrylonitrile	"
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (TCDD)	8280	Chrysene	"	Benzene	601/602
		Dibenzo (a,h) Anthracene	"	Bromoform	"
		4-Chlorophenyl Phenyl Ether	"	Carbon Tetrachloride	"
Pesticides	Method			Chlorobenzene	"
Aldrin	608	1,2-Dichlorobenzene	"	Chlorodibromomethane	"
Chlordane	"	1,3-Dichlorobenzene	"	Chloroethane	"
Dieldrin	"	1,4-Dichlorobenzene	"	2-Chloroethylvinyl Ether	"
4, 4' - DDT	"	3,3-Dichlorobenzidine	"	Chloroform	"
4, 4' - DDE	"	Diethyl Phthalate	"	Dichlorobromomethane	"
4, 4' - DDD	"	Dimethyl Phthalate	"	1,1-Dichloroethane	"
Alpha Endosulfan	"	Di-N-Butyl Phthalate	"	1,2-Dichloroethane	"
Beta Endosulfan	"	2,4-Dinitrotoluene	"	1,1-Dichloroethylene	"
Endosulfan Sulfate	"	2-6-Dinitrotoluene	"	1,2-Dichloropropane	"
Endrin	"	1,2-Dipenylyhydrazine (as Azobenzene)	"	1,3-Dichloropropylene	"
Endrin Aldehyde	"	Di-N-Octyl Phthalate	"	Ethylbenzene	"
Heptachlor	"	Fluoranthene	"	Methyl Bromide	"
Heptachlor Epoxide	"	Fluorene	"	Methyl Chloride	"
Alpha BHC	"	Hexachlorobenzene	"	Methylene Chloride	"
Beta BHC	"	Hexachlorobutadiene	"	1,1,2,2-Tetrachloroethane	"
Delta BHC	"	Hexachlorocyclopentadiene	"	Tetrachloroethylene	"
Gamma BHC	"	Hexachloroethane	"	Toluene	"
Toxaphene	"	Indeno (1,2,3-cd) Pyrene	"	1,2-Trans-Dichloroethylene	"
PCB 1016	"	Isophorone	"	1,1,1-Trichloroethane	"
PCB 1221	"	Naphthalene	"	1,1,2-Trichloroethane	"
PCB 1232	"	Nitrobenzene	"	Trichloroethylene	"
PCB 1242	"	N-Nitrosodimethylamine	"	Vinyl Chloride	"
PCB 1248	"	N-Nitrosodi-N-Propylamine	"		
PCB 1254	"	N-Nitrosodiphenylamine	"		
PCB 1260	"	Phenanthrene	"		
		Pyrene	"		
		1,2,4-Trichlorobenzene	"		

RBSA\_36989

California Regional Water Quality Control Board  
Santa Ana Region

Monitoring and Reporting Program No. 96-34  
for  
Elsinore Valley Municipal Water District  
Railroad Canyon Wastewater Reclamation Facility  
Riverside County

9/20/96

**A. Effluent Monitoring**

1. A sampling station shall be established for each point of discharge and shall be located where representative samples of the discharge can be obtained.
2. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Sample
Flow	MGD	Continuous	Continuous
Coliform (reclaimed water only)	MPN/100 ml	Grab <sup>1</sup>	Daily <sup>2</sup>
Biochemical Oxygen Demand	mg/l	Composite	Weekly
Suspended Solids	mg/l	Composite	Weekly
Specific Conductance	μmhos/cm	Composite	Monthly
Total Dissolved Solids	mg/l	Composite	Monthly
Total Inorganic Nitrogen	mg/l	Composite	Monthly
Total Hardness	mg/l	Composite	Monthly
Chloride	mg/l	Composite	Monthly
Sodium	mg/l	Composite	Monthly
Sulfate	mg/l	Composite	Monthly
Fluoride	mg/l	Composite	Monthly
Boron	mg/l	Composite	Monthly
pH	pH Units	Grab	Monthly
Arsenic	mg/l	Composite	Annually
Barium	mg/l	Composite	Annually
Cadmium	mg/l	Composite	Annually

<sup>1</sup> Samples shall be collected during peak flows.

<sup>2</sup> Whenever reclaimed water is being supplied to any user.

Constituent	Units	Type of Sample	Minimum Frequency of Sample
Chromium	mg/l	Composite	Annually
Cobalt	mg/l	Composite	Annually
Cyanide	mg/l	Grab	Annually
Iron	mg/l	Composite	Annually
Lead	mg/l	Composite	Annually
Manganese	mg/l	Composite	Annually
Mercury	mg/l	Composite	Annually
Selenium	mg/l	Composite	Annually
Silver	mg/l	Composite	Annually
EPA Priority Pollutants (See Attached List)	µg/l	Grab	Annually

## B. Water Supply Monitoring

1. In August of each year, a sample of each source of the water supplied to the sewered area shall be obtained and analyzed for the following constituents:

Total Dissolved Solids	Specific Conductance	Total Hardness
Sulfate	Magnesium	Nitrate
Boron	Sodium	Carbonate
Fluoride	Chloride	Bicarbonate
Calcium	pH	

2. All of the above constituents shall be expressed in "mg/l" except specific conductance and pH, which shall be expressed in "micromhos/cm" and pH units", respectively.
3. Monthly reports shall be submitted stating the amount (in percentage or acre-feet) supplied to the service area from each source of water and the resulting flow-weighted water supply quality for total dissolved solids, chloride, nitrate, sodium, and total hardness.

## C. Reclamation Monitoring and Reporting

1. The average daily flow of reclaimed water delivered to each user shall be recorded and reported on a monthly basis.

#### D. Reporting

1. Monitoring reports shall be submitted by the dates in the following schedule:

REPORT	REPORTING FREQUENCY	REPORT DUE DATE
Daily and Weekly Effluent Analysis	Monthly	By the 30th day of the month following the monitoring period
Monthly Effluent Analysis	Monthly	"
Water Supply Quality	Monthly	"
Effluent Priority Pollutants Analysis	Annually	"
Annual Water Supply Parameters	Annually	Fourth Monday of September

2. The discharger shall tabulate the monitoring data to clearly illustrate compliance and/or noncompliance with the permit requirements.
3. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.
4. The annual report for water supply parameters shall include a roster of plant personnel, including job titles, duties, and level of state certification for each individual.
5. Discharge monitoring data shall be submitted in a format acceptable to the Board and EPA. Specific reporting format may include preprinted forms and/or electronic media. Unless otherwise specified, discharge flows shall be reported in terms of daily average and monthly average discharge flows. The results of all monitoring required by this order shall be reported to the Board, and shall be submitted in such a format as to allow direct comparison with the limitations and requirements of this order.
6. All reports shall be signed by a responsible officer or duly authorized representative of the discharger and shall be submitted under penalty of perjury.

Ordered by Gerard J. Thibeault  
for Gerard J. Thibeault  
Executive Officer

July 12, 1996

# EPA PRIORITY POLLUTANT LIST

Metals	Method	Base/Neutral Extractibles	Method	Acid Extractibles	Method
Antimony	ICP	Acenaphthene	625	2-Chlorophenol	625
Arsenic	GF/AA	Acenaphthylene	"	2,4-Dichlorophenol	"
Beryllium	ICP	Anthracene	"	2,4-Dimethylphenol	"
Cadmium	ICP	Benzidine	"	4,6-Dinitro-O-Cresol	"
Chromium	ICP	Benzo (a) Anthracene	"	2,4-Dinitrophenol	"
Copper	GF/AA	Benzo (a) Pyrene	"	2-Nitrophenol	"
Lead	GF/AA	Benzo (b) Fluoranthene	"	4-Nitrophenol	"
Mercury	CV/AA	Benzo (g,h,i) Perylene	"	P-Chloro-M-Cresol	"
Nickel	ICP	Benzo (k) Fluoranthene	"	Pentachlorophenol	"
Selenium	GF/HYDRIDE	Bis (2-Chloroethoxy) Methane	"	Phenol	"
Silver	ICP	Bis (2-Chloroethyl) Ether	"	2, 4, 6 - Trichlorophenol	"
Thallium	ICP	Bis (2-Chloroisopropyl) Ether	"		
Zinc	ICP	Bis (Chloromethyl) Ether	"		
		Bis (2-Ethylhexyl) Phthalate	"		
Miscellaneous	Method			Volatile Organics	Method
Cyanide	335.2/335.3	4-Bromophenyl Phenyl Ether	"	Acrolein	603
Asbestos (not required unless requested)		Butyl Benzyl Phthalate	"	Acrylonitrile	"
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (TCDD)	8280	2-Chloronaphthalene	"	Benzene	601/602
Pesticides	Method			Bromoform	"
Aldrin	608	Chrysene	"	Carbon Tetrachloride	"
Chlordane	"	Dibenzo (a,h) Anthracene	"	Chlorobenzene	"
Dieldrin	"	4-Chlorophenyl Phenyl Ether	"	Chlorodibromomethane	"
4, 4' - DDT	"	1,2-Dichlorobenzene	"	Chloroethane	"
4, 4' - DDE	"	1,3-Dichlorobenzene	"	2-Chloroethylvinyl Ether	"
4, 4' - DDD	"	1,4-Dichlorobenzene	"	Chloroform	"
Alpha Endosulfan	"	3,3-Dichlorobenzidine	"	Dichlorobromomethane	"
Beta Endosulfan	"	Diethyl Phthalate	"	1,1-Dichloroethane	"
Endosulfan Sulfate	"	Dimethyl Phthalate	"	1,2-Dichloroethane	"
Endrin	"	Di-N-Butyl Phthalate	"	1,1-Dichloroethylene	"
Endrin Aldehyde	"	2,4-Dinitrotoluene	"	1,2-Dichloropropane	"
Heptachlor	"	2-6-Dinitrotoluene	"	1,3-Dichloropropylene	"
Heptachlor Epoxide	"	1,2-Dipenyhydrazine (as Azobenzene)	"	Ethylbenzene	"
Alpha BHC	"	Di-N-Octyl Phthalate	"	Methyl Bromide	"
Beta BHC	"	Fluoranthene	"	Methyl Chloride	"
Delta BHC	"	Fluorene	"	Methylene Chloride	"
Gamma BHC	"	Hexachlorobenzene	"	1,1,2,2-Tetrachloroethane	"
Toxaphene	"	Hexachlorobutadiene	"	Tetrachloroethylene	"
PCB 1016	"	Hexachlorocyclopentadiene	"	Toluene	"
PCB 1221	"	Hexachloroethane	"	1,2-Trans-Dichloroethylene	"
PCB 1232	"	Indeno (1,2,3-cd) Pyrene	"	1,1,1-Trichloroethane	"
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PCB 1260	"	N-Nitrosodimethylamine	"		
		N-Nitrosodi-N-Propylamine	"		
		N-Nitrosodiphenylamine	"		
		Phenanthrene	"		
		Pyrene	"		
		1,2,4-Trichlorobenzene	"		

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